

Abstract

Method and radio communications system for data transmission via a radio interface between a base station and a subscriber station

According to the invention, data for a number of services can be transmitted simultaneously between the base station and the subscriber station. In this case, a service-specific block size which can be defined individually for each service is used as the smallest transmission unit. A number of blocks to be transmitted for each service occur per frame, depending on the amount of data to be transmitted at that time. This number of blocks for each service is signaled for each frame. The arrangement of the blocks for the services in the frame is based on a predetermined coding from the number of services and the number of blocks per service. This coding is unambiguous, and the receiver can thus reconstruct it without any further signaling. The data are entered in the frame in accordance with the predetermined coding, and a frame is transmitted with blocks for a number of services via the radio interface. At the receiving end, the data are read from the frame in accordance with the predetermined coding and the signaled number of blocks per service.

~~Figure 4~~